

Date: Tue, 14 Sep 93 19:34:20 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1095
To: Info-Hams

Info-Hams Digest Tue, 14 Sep 93 Volume 93 : Issue 1095

Today's Topics:

 * MORSE CODE TABLE *
 alinco dj-580 repair
 Alpha Bravo; America Brazil; America Boston
 CB Linear for sale: How to report?
 CW and DSP
 Emergency: cellular vs ham (was Re: Ya
Ford Explorer Engine Computer and HF, UHF, VHF Transmit
 Frequency Counter Manuals needed
 help - which ham news groups??
 I can't find my original license
 Neighborhood watch groups
 Radio Shack HTX-404 Reports ?
 Radio Shack HTXs

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 14 Sep 1993 13:03:28 GMT
From: dog.ee.lbl.gov!agate!library.ucla.edu!europa.eng.gtefsd.com!darwin.sura.net!
sgiblab!nec-gw!netkeeper!vivaldi!rsd0!rsd.dl.nec.com!dave@network.ucsd.edu
Subject: * MORSE CODE TABLE *
To: info-hams@ucsd.edu

In article <CDB1to.IDJ@wang.com>, dbushong@wang.com (Dave Bushong) writes:
|> al372@cleveland.Freenet.Edu (Merle Rutschke) writes:
|>
|>

|> >Is there an FTP site, etc. on Internet where one can find the
|> >Morse Code table?
|>
|> Gee, I never thought of that, but it sounds like a great idea. I'd
|> propose that it be something like this:
|>
|> A didah
|> B dahdididit
|> (etc)
|>
|> and ***NOT***
|>
|> A .-
|> B -...
|> (etc)
|>
|> Any other opinions? And should I just go ahead and do it and ftp it
|> somewhere?

Gee, do your lips move when you read to yourself, Dave?

=====

Dave Rogers
M & R Software, Inc.
Internet: dave@rsd.dl.nec.com
On contract to: NEC America, Radio Software Dept

If you can't see the sky from where you work it's time to change jobs.

Date: Wed, 15 Sep 1993 00:13:40 GMT
From: news.cerf.net!pagesat!olivea!spool.mu.edu!sdd.hp.com!hpscit.sc.hp.com!
icon.rose.hp.com!greg@network.ucsd.edu
Subject: alinco dj-580 repair
To: info-hams@ucsd.edu

Clark Jones (jones@San-Jose.ate.slb.com) wrote:
: I'd be rather disinclined to epoxy the connector in. The one on my DJ-F1T
: is nearing the end of it's useful life, as the "ears" that interlock with
: the plug to hold the latter on are about 2/3 worn off from changing antenna
: connections 4 to 10 times a day for two years...
:

I thought about that, but since the wire which attaches the ground side of
the connector to the radio PC board is *soldered* across both the connector
threads and the nut which holds the thing in, I figured I'd never get it out
even if I tried. Might as well make it even more permanent with the glue.

I really didn't want to have to take the radio apart again to fix the broken wires, and that was much more likely than needing to replace the connector.

Greg KD6KGW

Date: 14 Sep 93 19:33:36 EDT
From: hayes!bcoleman@uunet.uu.net
Subject: Alpha Bravo; America Brazil; America Boston
To: info-hams@ucsd.edu

In article <26krkpINN5s3@topaz.bds.com>, ron@topaz.bds.com (Ron Natalie) writes:

>
> The PREFERRED one is
>
> Alpha Bravo Charlie Delta Echo Foxtrot Golf Hotel India Juliet Kilo
> Lima Mike November Oscar Papa Quebec Romeo Sierra Tango Uniform Victor
> Whiskey X-ray Yankee Zulu
>
> People who use things like Kilowatt and America are idiots.

My personal experience is different. If I use "Alpha Alpha" to start off my call, I find that people often substitute "Kilo Alpha" or "Papa Alpha" instead. However, "America America" gets the point across in two ways. (eg AA isn't even on the same continent as PA)

I have found that English-speaking people have a very hard time with "Lima", so I use "London". (Spanish-speakers trouble with "London" so "Lima" works then)

And "Romeo" is no substitute for "Radio." "Romeo" is often confused for "Kilo" or other works. "Radio" always gets through.

Let me tell you, when you send your call verbally 1-2000 times in a radio contest, you notice these things....

"America America Four London Radio"

--
Bill Coleman, AA4LR ! CIS: 76067,2327 AppleLink: D1958
Principal Software Engineer ! Packet Radio: AA4LR @ W4Q0
Hayes Microcomputer Products, Inc. ! UUCP: uunet!hayes!bcoleman
POB 105203 Atlanta, GA 30348 USA ! Internet: bcoleman%hayes@uunet.uu.net
Disclaimer: "My employer doesn't pay me to have opinions."
Quote: "The same light shines on vineyards that makes deserts." -Steve Hackett.

Date: 14 Sep 93 16:42:55 GMT
From: ogicse!emory!kd4nc!ke4zv!gary@network.ucsd.edu
Subject: CB Linear for sale: How to report?
To: info-hams@ucsd.edu

In article <randall.747960896@infmx> randall@neptune.informix.com (Randall Rhea) writes:

>A person who uses a linear for a CB gets his own reward.
>Almost all of them are crap. They do nothing except
>distort your signal and make you the "channel master" of
>your neighbor's TV. Most CBers find that after spending
>a lot money on an illegal linear, they get no more range
>and a lot more problems.

Generally true. On the other hand, a certain CBer who shall remain nameless runs a 5 kW plate modulated transmitter that could pass an FCC broadcast proof of performance. In fact it has passed a facsimile of a proof, I've seen the scope pictures to prove it. None of his neighbors experience any interference. Of course any CBer unfortunate enough to try to talk over him tends to get squashed. :-)

(He runs a 5 el beam at 100 feet too, fed with Andrew Heliax.)

Gary

Note, it's not me, *really*.

--

Gary Coffman KE4ZV	"If 10% is good enough	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems	for Jesus, it's good	uunet!rsiatl!ke4zv!gary
534 Shannon Way	enough for Uncle Sam."	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244	-Ray Stevens	

Date: 14 Sep 93 13:04:28
From: idacrd.ccr-p.ida.org!idacrd!n4hy@uunet.uu.net
Subject: CW and DSP
To: info-hams@ucsd.edu

Ringin g is NOT what is happening in an FIR filter. A narrowband crystal or other IIR filter, when fed energy from noise is almost like an oscillator and the damping in the oscillator is overcome by the energy supplied by the noise. This is a true ringing. In a very narrow FIR filter, you DO filter the noise power and get noise limited to the pass band of the filter but it will not 'almost oscillate.'

Bob

--

Robert W. McGwier | n4hy@ccr-p.ida.org
Center for Communications Research | Interests: amateur radio, astronomy, golf
Princeton, N.J. 08520 | Asst Scoutmaster Troop 5700, Hightstown

Date: 14 Sep 1993 13:10:51 GMT
From: swrinde!cs.utexas.edu!wupost!howland.reston.ans.net!noc.near.net!
jericho.mc.com!fugu!levine@network.ucsd.edu
Subject: Emergency: cellular vs ham (was Re: Ya
To: info-hams@ucsd.edu

Some great stuff deleted for brevity:

>
>Here is what I AM hostile toward:
>
>* First and foremost, ARES, an organization that has grown obsolete
 (A close second - RACES)
> and is bloated by hams who seek to build little empires. In every
> area I've ever lived or worked as a volunteer, the ARES contingent
> has invariably been a sad joke, something that embarrasses hams

>* Hams that try to help with crappy equipment. Showing up for emergency
> service with equipment that doesn't work is worse than doing

>
>* Hams that show up for service with an attitude. I remember one

>
>* Hams who see emergency service as a way to build an empire and/or
> acquire special privileges. The people most guilty are generally
> those who have menial positions lacking any authority in real life and

>So there you have it, Jeff. What I am hostile toward in the amateur
>service. I hope I was clear enough this time that there are
>no ambiguities.
>
>John

John,

The most accurate description I have ever read.
One addition, applies to RACES also.

Have you ever been in Marlboro, MA?

```
-----  
  ||  //  ||\\  //||  //\\  //\\  
  ||  //  ||  \\  //  ||  //  //    
  ||//  ||  \\  ||  //  //  //    
  ||\\  ||  ||  ||  \\  ===  \\  ===  
  ||  \\  ||  //  ||  \\  //  \\  //    
  ||  \\  ||  //  ||  \\//  \\//    
-----
```

-----FTAC

Bob Levine KD1GG 7J1AIS VK2GYN

levine@mc.com

(508) 256-1300 x247

kd1gg@wa1phy.ma

FAX (508) 256-3599

Date: 14 Sep 1993 09:04:14 -0400

From: yale.edu!nigel.msen.com!ilium!gdls.com!gdls.com!not-for-mail@yale.arpa

Subject: Ford Explorer Engine Computer and HF, UHF, VHF Transmit

To: info-hams@ucsd.edu

I purchased an 88 Bronco II and found myself crying in 20 degree weather when I tried to install a HF rig. There is so much interference that it intrudes on 2 mtr. at times.

Anyway, I had a lot of interference from the tank mounted fuel pump (try scanning the car with a HT and then remove the gas tank cap and see the increase in interference.) and after a lot of inquiries I found out that Ford would put filters in the tank for nothing if you complained a lot. They have a service bulletin out (at least on the Bronco) that covers this.

I would suggest that you pressure your dealer and suggest that he look back into the service bulletins.

BTW, after talking to the (hams) folks that run the Ford radio and interference testing lab, it seems as if the Bronco (and possibly a lot of other Ford vehicles) have these flaws (?) built in, and have for many years.

Bill

--

Bill Turini, KA4GAV
Computer Sciences Corporation
6000 E. 17 Mile Road
Sterling Heights, MI 48313

Chief, Technical Systems
turini@gdls.com
(313) 825-8810

Date: 14 Sep 1993 12:55:25 GMT
From: boulder!tali.hsc.colorado.edu!wom.HSC.Colorado.EDU!debert@uunet.uu.net
Subject: Frequency Counter Manuals needed
To: info-hams@ucsd.edu

My friend has two frequency counters that he has no manuals for. Both are made by a company called Eldorado Electronics Inc. One counter is the model 990 microwave frequency counter and the other is a model 1615 frequency counter.

If you can help out please E-Mail me:

dne@data.hsc.colorado.edu

Thanks and 73

Dave K7RH

Date: Tue, 14 Sep 1993 00:52:29 GMT
From: netcomsv!netcom.com!netcomsv!behemoth.miro.com!NewsWatcher!
user@decwrl.dec.com
Subject: help - which ham news groups??
To: info-hams@ucsd.edu

I have not used usenet for quite a while. I notice that there are 2 sets of new groups for amateur radio - rec.radio.amateur, and rec.ham-radio. Could someone please explain the difference, and why there are 2 of them?? Also - what is the difference between rec.radio.amateur.misc, and plain old rec.radio.amateur? (rec.radio.amateur always seems empty here)

Your help appreciated.

73 Mark KM6FM

Date: 14 Sep 1993 13:04:35 GMT
From: swrinde!elroy.jpl.nasa.gov!usc!howland.reston.ans.net!noc.near.net!
jericho.mc.com!fugu!levine@network.ucsd.edu
Subject: I can't find my original license
To: info-hams@ucsd.edu

In article 2465@indep1.UUCP, clifto@indep1.UUCP (Cliff Sharp) writes:
>In article <747490498.AA02660@buscard.fidonet.org>
Marc.Grant@f121.n324.z1.fidonet.org (Marc Grant) writes:

> Funny thing about that... the top of the 610 I have here says "Attach the
>original license OR PHOTOCOPY here" [emphasis mine].
> Since 1967 when I got my Novice, the FCC has been accepting photocopies.
>That's why I still have my original Novice license, coated in plastic.
> So why is it that FCC will accept it without a second thought, while
>VEs have to have the original? Most importantly, what makes it illegal?

The 610 can be accompanied by a copy because the FCC assumes that the
VE has followed the rules and personally examined the original.

It is extremely easy to alter a photocopy.

However, the guy who tries to slip in a forgery will be discovered
when the FCC processes the 610.

So, I suppose it really doesn't matter. As a VE, it would make matters
easier to just examine and keep a photocopy because there is always the
guy who doesn't bring the original. By the same token, there is always
the guy who brings in the original and doesn't have the photocopy!

Us lowly VE's will just do whats they tells us to!

```
-----  
  ||  //  ||\  //||  //\\  //\\  
  ||  //  || \  //||  //   //     
  ||//   ||  \  ||  //   //     
  ||\   ||  ||  ||  \   ==  \   ==  
  || \  ||  //  ||  \  //  \  //   
  ||  \  ||  //  ||  \  //  \  //
```

-----FTAC

Bob Levine KD1GG 7J1AIS VK2GYN
levine@mc.com (508) 256-1300 x247
kd1gg@wa1phy.ma FAX (508) 256-3599

Date: 15 Sep 93 01:29:39 GMT
From: news-mail-gateway@ucsd.edu
Subject: Neighborhood watch groups
To: info-hams@ucsd.edu

[geraldg@spud.sps.mot.com](Gerald Garcia) asks:

>A coworker came to me today and asked if it was possible to use ham radio
> as means of communication for a neighborhood watch group. Would

- > someone please tell me if they are aware if this violates some section
- > of Part 97? There is no money involved (i.e., no one is getting paid
- > for their time or service). Also, he indicated all the volunteers are
- > willing to earn the Technician class license. They want to stay away
- > from CB (I don't blame them, as lots of bad guys use CB nowadays), and
- > I don't know if the little 6m walkie talkies have enough flexibility
- > for their needs.

- > If they do pursue this path, does anyone have a recommendation for a
- > 70cm band HT with extended receive capabilities (the Austin PD uses
- > channels around 470 MHz)? They would like to be able to monitor calls
- > and transmit their traffic on a single unit.

- > Please cc: me if you choose to post a reply - thanks.

- > 73, Gerald --- Gerald W. Garcia, P.E. N5UMB Motorola Inc.,
- > MD: TX30/0E37 Senior Design Engineer 6501 Wm. Cannon
- > Dr. West geraldg@spud.sps.mot.com Austin, TX 78735-8598
- > (512) 891-2806 (voice) (512) 891-8315 (fax)

Amateur radio can be used very effectively for a neighborhood watch group, but there are several things to consider first.

A neighborhood watch provides eyes and ears to observe and report suspicious activity to the police -- a neighborhood watch is not a jr. PD or vigilante group.

You do NOT want to interfere with police activity, that is a crime in itself. If you are listening to the local PD dispatch, fine, just don't respond to a call.

Make sure your local PD knows what you are doing, if possible, get them to participate with you as advisors. They will be suspicious of you, if you work WITH them, everyone benefits and is safer.

Remember that the bad guys will not like you, so you may become a target. Consider whether your group will be a low profile operation or a showboat. Both types of activities have their place, I would again refer you to the local PD for advice.

Tying up a local repeater for your activities may not be a good idea to the other hams using the machine. Consider setting up a repeater of your own if you will be a big enough group to need it.

Some hams do not like "jr. police" operations, on some machines hams have been flamed for trying to report drunks on the highway. Another good reason for your own machine. Be aware of your environment.

Another post added several good caveats I won't repeat.

Now the good news. Here in Orange County, California, The City of Irvine SPONSORS an amateur radio group, called IDEC (Irvine Disaster Emergency Communications). This is not actually a neighborhood watch group, the primary mission is disaster communication aid after "the big one", but the group also works with the PD when extra eyes and ears are needed, and supports community events like 5/10K runs. IDEC has their own repeater at city hall, right next to the PD gear, a radio room off the EOC (Emergency Operations Center), phone patch access to the 911 dispatchers and speed dial to other public safety organizations like fire and adjacent PD jurisdictions (for non-emergency, i.e.: not 911 traffic). Training is provided and members are encouraged to become familiar with police and public safety procedure.

Another outstanding aspect of this arrangement is that the dispatchers are made aware of the group specifically, and ham radio in general. They recognize a patch call and handle the non-duplex mode appropriately. They also don't get rattled when the caller gives a location across town and "enhanced 911 caller id" identifies the call as originating in city hall. That kind of thing has happened and caused problems in some areas.

I am a member of IDEC, and I think it is a good approach to ham support of public service. If you want a contact at Irvine PD for your local PD to talk to, send me a note and I'll get you a name and number, and good luck.

73

Wm. A. Kirsanoff	Internet: WAKIRSAN@ananov.remnet.ab.com
Rockwell International	Ham: KD6MCI
(714) 762-2872	

Alternate Internet: william_a._kirsanoff@ccmail.anatcp.rockwell.com

Another Alternate Internet: kirsanwa@catipult.anatcp.rockwell.com

Who are you? * I am number 2. * Who is number 1? * You are number 6.

Date: 14 Sep 93 19:53:31 GMT

From: ogicse!emory!wa4mei!ke4zv!gary@network.ucsd.edu

Subject: Radio Shack HTX-404 Reports ?

To: info-hams@ucsd.edu

In article <CDBEEF.ALG@boi.hp.com> riyadh@boi.hp.com (Riyadh Al-Kazily) writes:
>

> I am wondering what exactly is meant by 'real' or 'true' FM in radio
>advertising. I am waiting for my ticket (1 month down, N to go...) and am
>trying to decide on a HT, but I am stumped by this. Isn't FM always FM?
>And if it isn't, why is 'real FM' better for packet (which I would like
>to play around with)? I guess most importantly, which current radios do
>not have 'real FM' (and should they really be avoided)?

There are basically two ways to achieve angle modulation. One is to directly FM an oscillator in the radio. The other is to use a phase modulation stage that follows an oscillator stage. A phase modulator has an inherent pre-emphasis effect on the modulation, to get pre-emphasis in an FM system, an audio shaping network is required. Since all common angle modulation schemes use pre-emphasis/de-emphasis for voice, the net effect of using one method or the other doesn't matter except near DC. Phase modulation can't make low rate of change offsets in the transmit frequency at reasonable deviation, but FM can. Normally this doesn't matter for voice since there aren't any energy components in voice near zero Hertz. But it can matter to certain packet modulation schemes, particularly 9600 baud modems and direct FSK schemes. The bit stuffing in packet usually allows PM schemes to work though because the signal is never held at mark for long periods.

Another factor is that while almost any arbitrary deviation can be generated by an FM scheme, much smaller swings are possible with phase modulation. Thus phase modulators normally work at a low frequency and the resultant signal is then multiplied to the operating frequency. That also multiplies the deviation of course. FM can be done the same way, and usually is in crystal controlled radios, but it can also be done "on frequency" by modulating a VCO as part of a PLL system. This is the way many modern radios, including the RS units, work. This has a drawback for packet too. The loop filter of the PLL now enters the picture. It will now try to average out the low frequency components of the modulation, effectively removing it and leaving you with the same situation as with phase modulation. Thus many people attempting to do 9600 baud prefer to use a "true FM" system that multiplies a crystal oscillator to the operating frequency.

Mostly though, it's just marketing hype when seen in ads for radio equipment.

Gary

--

Gary Coffman KE4ZV	"If 10% is good enough	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems	for Jesus, it's good	uunet!rsiatl!ke4zv!gary
534 Shannon Way	enough for Uncle Sam."	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244	-Ray Stevens	

Date: Tue, 14 Sep 1993 19:06:00 GMT
From: sdd.hp.com!math.ohio-state.edu!howland.reston.ans.net!news.cac.psu.edu!
news.pop.psu.edu!ra!estd.nrl.navy.mil!lambert@network.ucsd.edu
Subject: Radio Shack HTXs
To: info-hams@ucsd.edu

About that "spur" at 146.76 on the Radio Shack HTX-202. I've noticed that it disappears when I hook up a real antenna.

Bob, N3AJT

i

Date: Tue, 14 Sep 93 22:04:43 GMT
From: btree!bly@network.ucsd.edu
To: info-hams@ucsd.edu

References <04=z0yg@dixie.com>, <CD5ICq.E15@srngenprp.sr.hp.com>,
<ndbzjq@dixie.com>
Subject : Re: Emergency: cellular vs ham (was Re: Yagi for Cellular Phone?)

In article <ndbzjq@dixie.com> jgd@dixie.com (John De Armond) writes:

>As cellular expands and new services like Motorola's Iridium satellite
>service comes online, ham radio with its 50s vintage architecture
>becomes completely irrelevant for emergency service. While trunked
>radio and cellular becomes utilitarian and DSB and digital spread
>spectrum services loom on the near horizon, hams continue to argue about
>sophisticated technology like tone squelch.

Amen brother!!! When everyone is carrying a LEO pocket phone you really don't need an emergency communications provider. I guess we should keep some of the old FM stuff around as a backup in case 66 satellites stop working.

Roger Bly (ka6mwt)
bly@brooktree.com

Date: 14 Sep 93 20:06:00 GMT
From: ogicse!emory!wa4mei!ke4zv!gary@network.ucsd.edu
To: info-hams@ucsd.edu

References <CD9p1s.2tu@odin.corp.sgi.com>,
<1993Sep13.191526.14055@cyphyn.radnet.com>,
<1993Sep14.135910.15580@mnemosyne.cs.du.edu>
Reply-To : gary@ke4zv.UUCP (Gary Coffman)
Subject : Re: There goes the rest of 20M

In article <1993Sep14.135910.15580@mnemosyne.cs.du.edu> lkollar@nyx.cs.du.edu
(Larry Kollar) writes:

>
>Seriously though, Randy makes a good point. Self-policing implies some power
>of enforcement, and we just don't have that. Our "police powers" function
>only when everyone involved are basically good people that occasionally have
>a bad hair month... in that scenario, tracking down the offender and letting
>him/her/it talk out the problem is all we need. When we are dealing with
>someone who is being vicious just for the fun of it, the system breaks down in
>a hurry.

That's not really what "self policing" means. The emphasis is on the
self part. What it means is you are supposed to police yourself in
your operation on the air. Some hams also "snitch" on others, or even
resort to vigilante action, but that's not what self policing means.

Gary

--

Gary Coffman KE4ZV	"If 10% is good enough	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems	for Jesus, it's good	uunet!rsiatl!ke4zv!gary
534 Shannon Way	enough for Uncle Sam."	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244	-Ray Stevens	

End of Info-Hams Digest V93 #1095
